

WHAT IS CLAIMED IS:

1. A color filter panel for a liquid crystal display, comprising:
a substrate
5 a color filter formed over the substrate; and
a passivation layer that covers the color filter and that has a varying thickness.

2. The color filter panel of claim 1, wherein the liquid crystal display
includes a first display area that displays images using a light source provided therein
10 and a second display area that displays images using an external light.

3. The color filter panel of claim 2, wherein the thickness of the
passivation layer in the first display area is smaller than the thickness of the passivation
layer in the second display area.

4. The color filter panel of claim 3, wherein the thickness of the
passivation layer in the first display area is zero (0).

5. The color filter panel of claim 2, wherein the thickness of the color filter
20 in the first display area is larger than the thickness of the color filter in the second
display area.

6. The color filter panel of claim 1, wherein the color filter includes a first
portion and a second portion, and the thickness of the color filter in the first portion is
25 larger than the thickness of the color filter in the second portion.

7. The color filter panel of claim 6, further comprising a black matrix located near the edge of the color filter.

8. The color filter panel of claim 7, wherein the color filter further includes a third portion located near the edge of the color filter, the thickness of the color filter in the third portion being larger than the thickness of the color filter in the second portion.

9. The color filter panel of claim 8, wherein at least a part of the third portion of the color filter overlaps the black matrix.

10. The color filter panel of claim 1, further comprising a common electrode formed over the substrate.

11. A liquid crystal panel, comprising the color filter panel of claim 1.

12. The liquid crystal panel of claim 11, further comprising a display panel opposite the color filter panel, the display panel comprising a field-generating electrode including a transparent electrode and a reflecting electrode formed over the transparent electrode, the reflecting electrode having an opening.

13. The liquid crystal panel of claim 12, wherein the passivation layer in the first display area is opposite the opening in the reflecting electrode.

14. The liquid crystal display of claim 13, wherein the display panel further comprises a gate line, a data line and a thin film transistor electrically connected to the gate line, the data line and the transparent electrode.

15. The liquid crystal display of claim 11, further comprising a liquid crystal layer disposed between the color filter panel and the display panel.

16. A transflective liquid crystal display comprising:

5 a first display panel, the first display panel comprising:

a passivation layer, the passivation layer having a varying thickness;

and

a second display panel opposite the first panel, the second panel comprising:

10 a field-generating electrode including a transparent electrode and a reflecting electrode formed over the transparent electrode, the reflecting electrode having an opening.

17. The transflective liquid crystal display of claim 16, wherein the passivation layer includes a first portion with a first thickness and a second portion with a second thickness larger than the first thickness, the first portion being opposite the opening.

18. The transflective liquid crystal display of claim 17, wherein the first thickness of the passivation layer in the first portion is zero (0).

19. The transflective liquid crystal display of claim 16, wherein the reflecting electrode has embossments.

20. The transflective liquid crystal display of claim 16, wherein the second panel further comprises a gate line, a data line and a thin film transistor electrically connected to the gate line, the data line and the transparent electrode.

21. The transflective liquid crystal display of claim 16, wherein the first display panel further comprises a color filter having a varying thickness.

22. The transflective liquid crystal display of claim 21, further comprising a black matrix located near the edge of the color filter.

23. The transflective liquid crystal display of claim 16, further comprising a liquid crystal layer formed between the first display panel and the second display panel.

24. A method for forming a color filter panel for a liquid crystal display, comprising:

forming a color filter over a substrate; and

forming a passivation layer having a varying thickness over the color filter.

25. The method of claim 24, wherein the liquid crystal display includes a first display area that displays images using a light source provided therein and a second display area that displays images using an external light, the passivation layer being formed with a thickness in the first display area that is smaller than a thickness of the passivation layer in the second display area.

26. The method of claim 25, wherein the thickness of the passivation layer in the first display area is made to be zero.

27. The method of claim 25, wherein the color filter is formed with a thickness in the first display area that is larger than a thickness of the color filter in the second display area.

28. The method of claim 24, wherein the color filter is formed with a first portion and a second portion, a thickness of the color filter in the first portion being larger than a thickness of the color filter in the second portion.

29. The method of claim 28, further comprising forming a black matrix near an edge of the color filter.

30. The method of claim 29, wherein the color filter is formed with a third portion located near the edge of the color filter, a thickness of the color filter in the third portion being larger than the thickness of the color filter in the second portion.

31. The method of claim 30, wherein at least a part of the third portion of the color filter is formed to overlap the black matrix.